

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 24011-0002PCT	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/US 98/ 21975	International filing date (day/month/year) 15/10/1998	(Earliest) Priority Date (day/month/year) 16/10/1997
Applicant UNIVERSITY OF GEORGIA RESEARCH FOUND. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

VECTORS COMPRISING A MAGNUM-SPECIFIC PROMOTER FOR AVIAN TRANSGENESIS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/21975

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/00 A01K67/027 C12N15/90

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A01K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DIERICH, A. ET AL.: "Cell-specificity of the chicken ovalbumin and conalbumin" EMBO JOURNAL., vol. 6, no. 8, 1987, pages 2305-2312, XP002095223	1-3
Y	EYNHAM, OXFORD GB see the whole document	4-24, 26-30, 34, 35

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

2 March 1999

Date of mailing of the international search report

26/03/1999

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/21975

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SANDERS, M.M. & MCKNIGHT G.S.: "Positive and negative regulatory elements control the steroid-responsive ovalbumin promoter" BIOCHEMISTRY, vol. 27, no. 17, 1988, pages 6550-6557, XP002095224 EASTON, PA US	1-3
Y	see the whole document	4-24, 26-30, 34, 35
Y	THORAVALL, P. ET AL.: "Germline transmission of exogenous genes in chickens using helper-free ecotropic avian leukosis virus-based vectors" TRANSGENIC RESEARCH, vol. 4, no. 6, November 1995, pages 369-376, XP002095225 see the whole document	4-24, 26-30, 34, 35
X	see page 370, column 2, paragraph 3	25
P, X	WO 97 47739 A (MACARTHUR WILLIAM C ; UNIV MICHIGAN (US); GENEWORKS L L C (US)) 18 December 1997 see the whole document	1-8
P, X	MURAMATSU, T. ET AL.: "Gene gun-mediated in vivo analysis of tissue-specific repression of gene transcription driven by the chicken ovalbumin promoter" MOLECULAR AND CELLULAR BIOCHEMISTRY, vol. 185, no. 1-2, August 1998, pages 27-32, XP002095226 see the whole document	1-3
X	US 5 364 783 A (RULEY H EARL ET AL) 15 November 1994	10
Y	see the whole document	11-13
X	MORELLE C: "RECOMBINAISON HOMOLOGUE ET CIBLAGE GENIQUE" BIOFUTUR, no. 134, 1 May 1994, pages 1, 3-12, XP000449127 see the whole document	10
X	MOUNTFORD P ET AL: "DICISTRONIC TARGETING CONSTRUCTS: REPORTERS AND MODIFIERS OF GENE EXPRESSION" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 91, no. 10, 10 May 1994, pages 4303-4307, XP000563920	10, 14
Y	see the whole document	11-13

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 98/21975

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	✓ FIERING S ET AL: "AN "IN-OUT" STRATEGY USING GENE TARGETING AND FLP RECOMBINASE FOR THE FUNCTIONAL DISSECTION OF COMPLEX DNA REGULATORY ELEMENTS: ANALYSIS OF THE BETA-GLOBIN LOCUS CONTROL REGION" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 90, no. 18, 15 September 1993, pages 8469-8473, XP000563921 see the whole document ---	10
X;P	RUCKER, E.B. & PIEDRAHITA, J.A.: "Cre-mediated recombination at the murine Whey Acidic Protein (mWAP) locus" MOLECULAR REPRODUCTION AND DEVELOPMENT, vol. 48, no. 3, November 1997, pages 324-331, XP002095227 see the whole document -----	10
Y,P		11-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 98/21975

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9747739	A	18-12-1997	AU	3479997 A	07-01-1998
US 5364783	A	15-11-1994	US	5627058 A	06-05-1997